

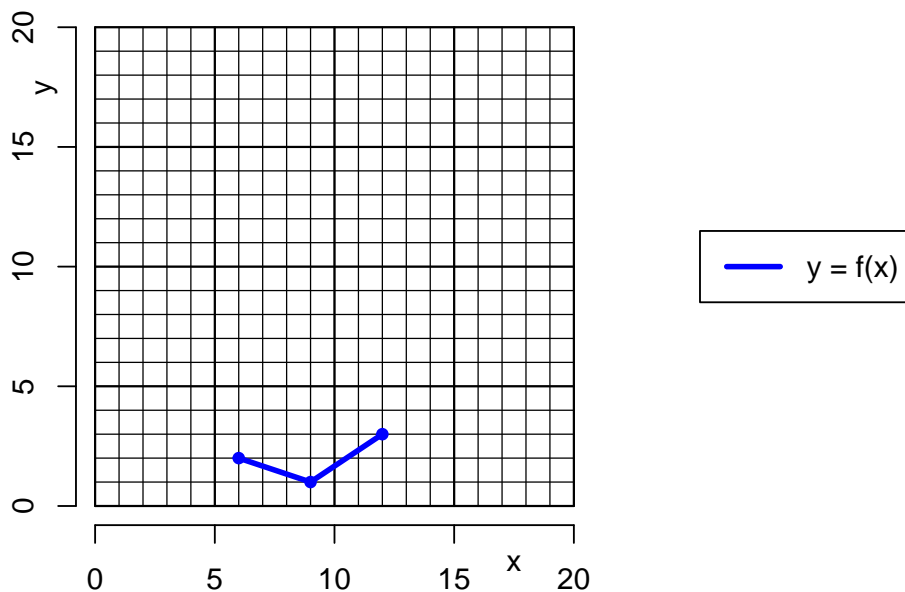
Name: \_\_\_\_\_

Date: \_\_\_\_\_

## PCW\_09\_18 Find new points after transformation (version 19)

### Question 1

Curve  $y = f(x)$  contains points  $(6, 2)$  and  $(9, 1)$  and  $(12, 3)$ , as shown on the  $x$ - $y$  plane below.

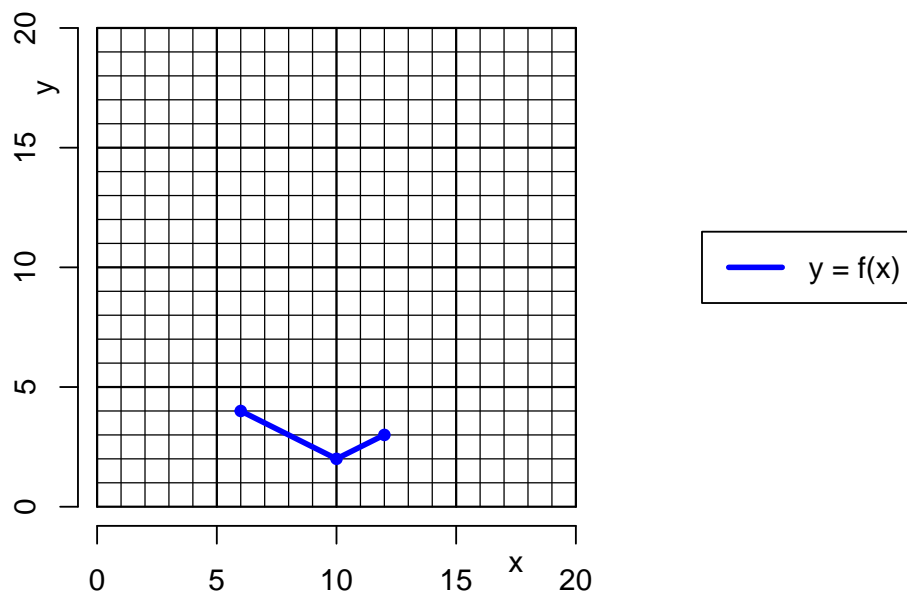


On the same plane, please draw the curve represented by the equation below:

$$y = 3f\left[\frac{x+6}{2}\right] + 3$$

## Question 2

Curve  $y = f(x)$  contains points  $(6, 4)$  and  $(10, 2)$  and  $(12, 3)$ , as shown on the  $x$ - $y$  plane below.



On the same plane, please draw the curve represented by the equation below:

$$y = 3 \left( f \left[ \frac{x+4}{2} \right] + 1 \right)$$